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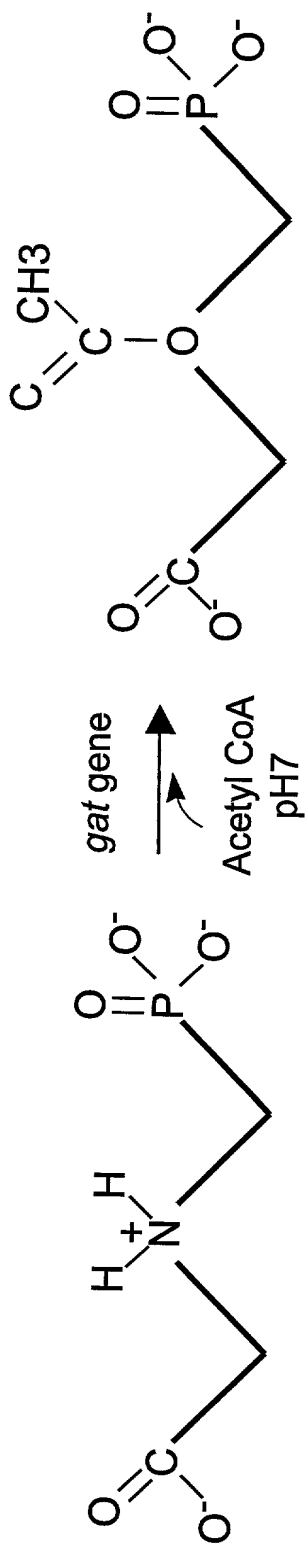


Fig. 1

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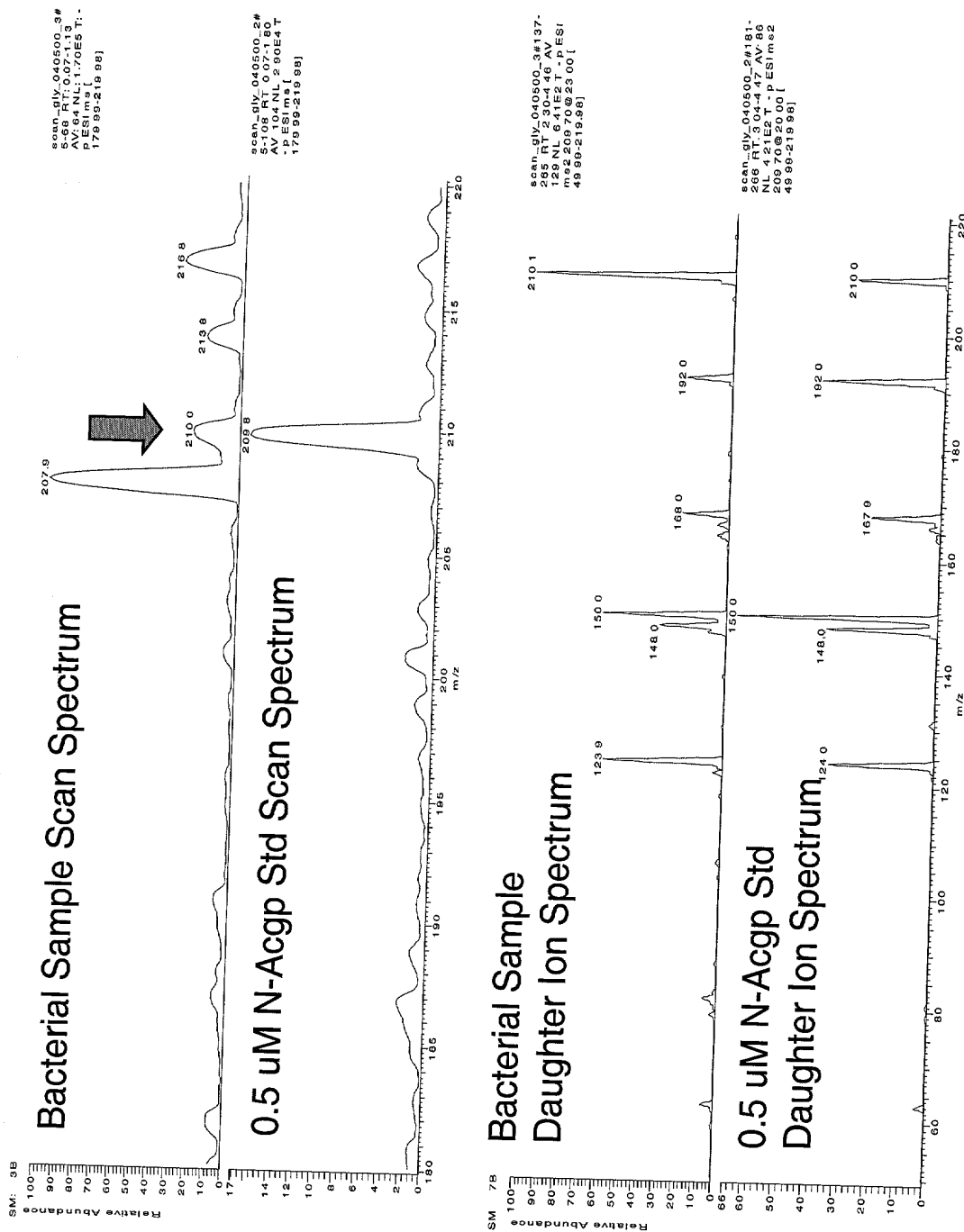


Fig. 2

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# Nucleotide identity between sequence pairs

	B6	DS3	ST401	NHA-2	NH5-2	yitI
B6	***	95.0	93.2	94.8	92.8	62.0
DS3		***	95.5	99.8	95.0	61.8
ST401			***	95.2	99.5	62.4
NHA-2				***	94.8	61.5
NH5-2					***	62.9
yitI						***

Fig. 3

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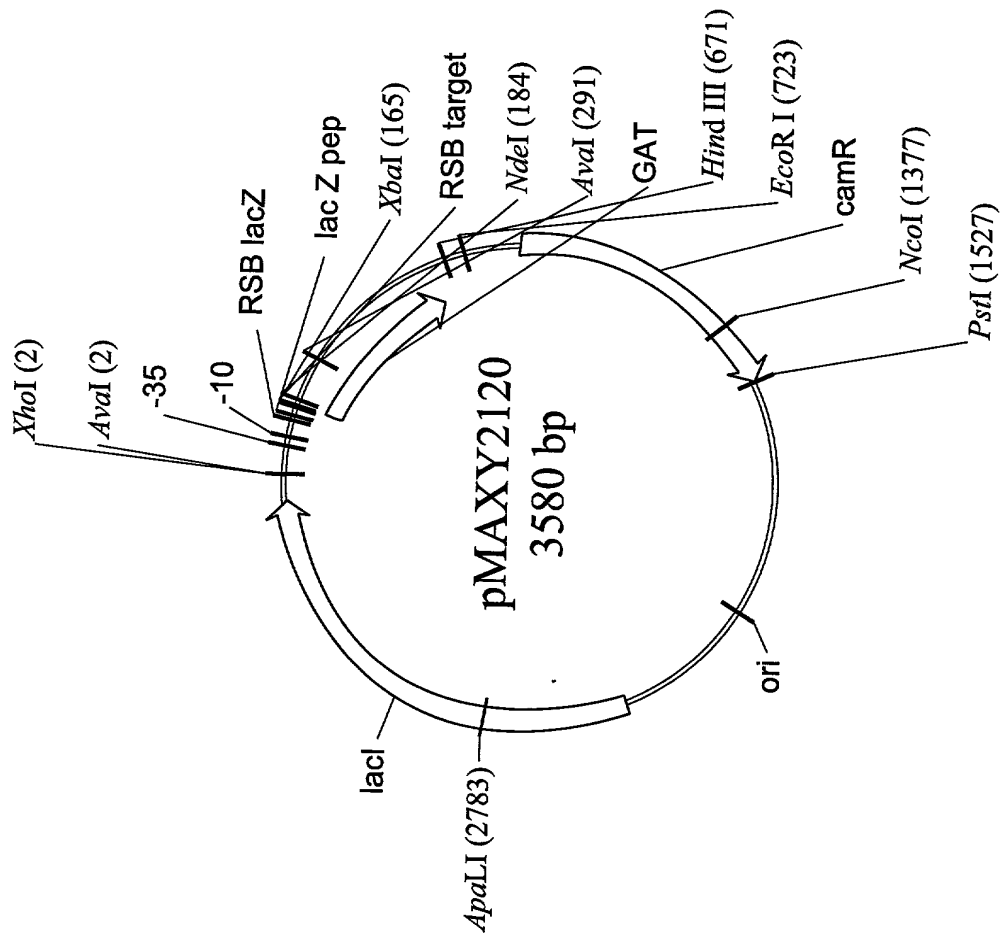
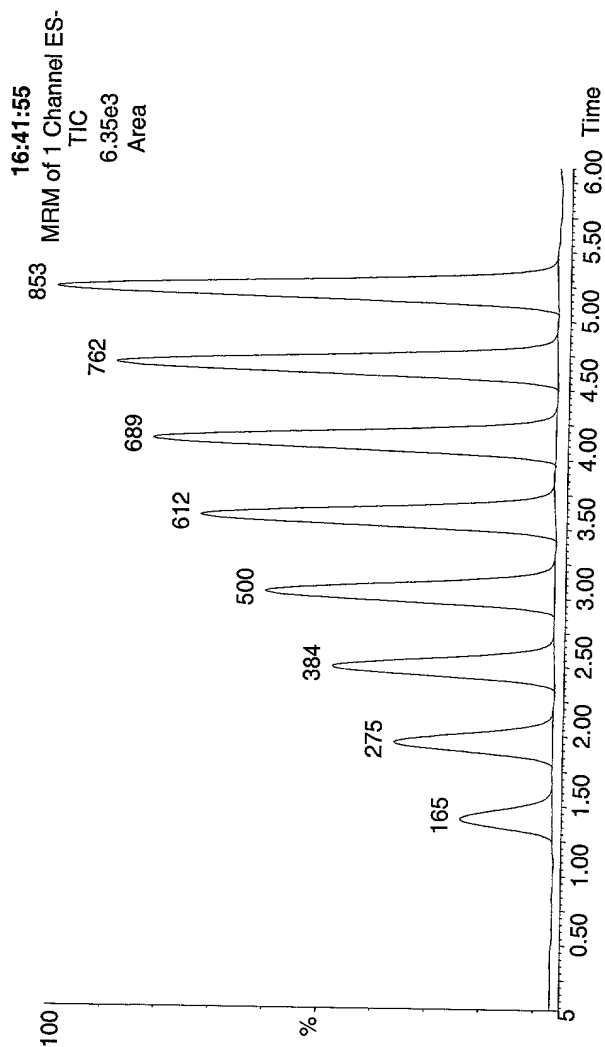


Fig. 4

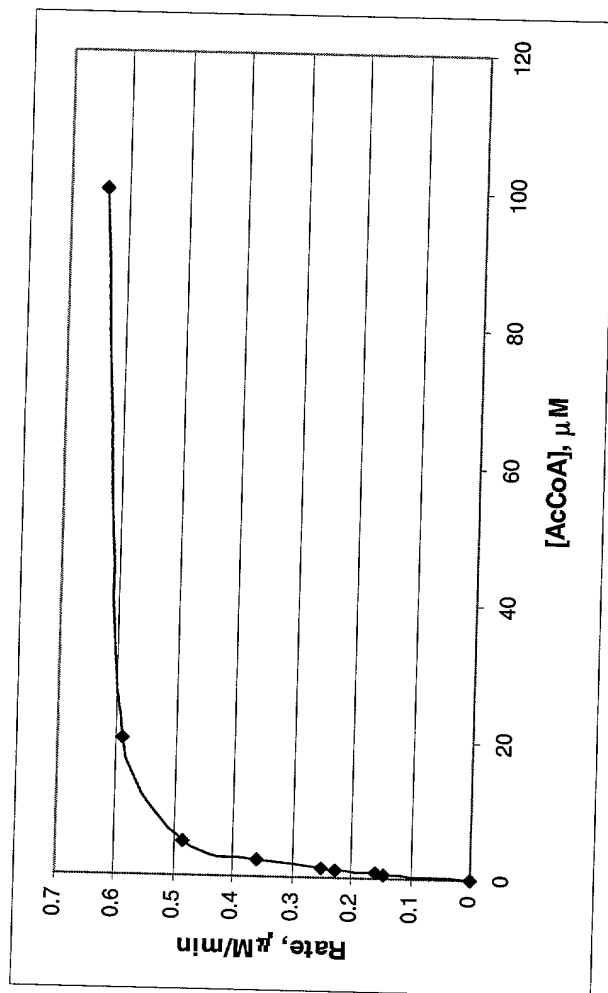
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Purified B6 GAT catalyzes  
N-acetylgllyphosate production

Fig. 5

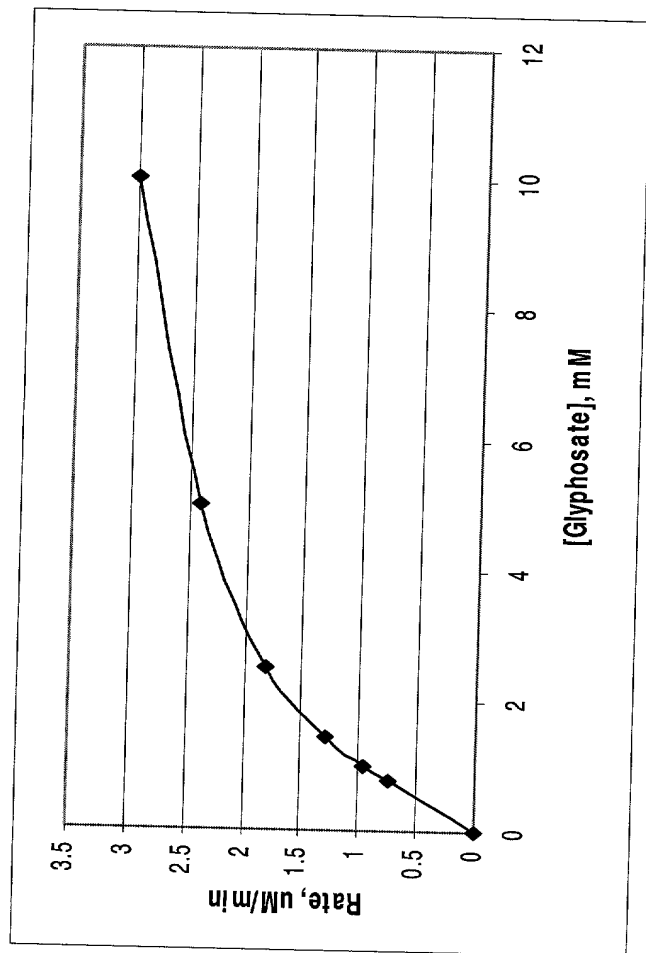
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B6 GAT  $K_M$  for Acetyl CoA = 2  $\mu\text{M}$

Fig. 6

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B6 GAT  $K_M$  for glyphosate = 2.9 mM

Fig. 7

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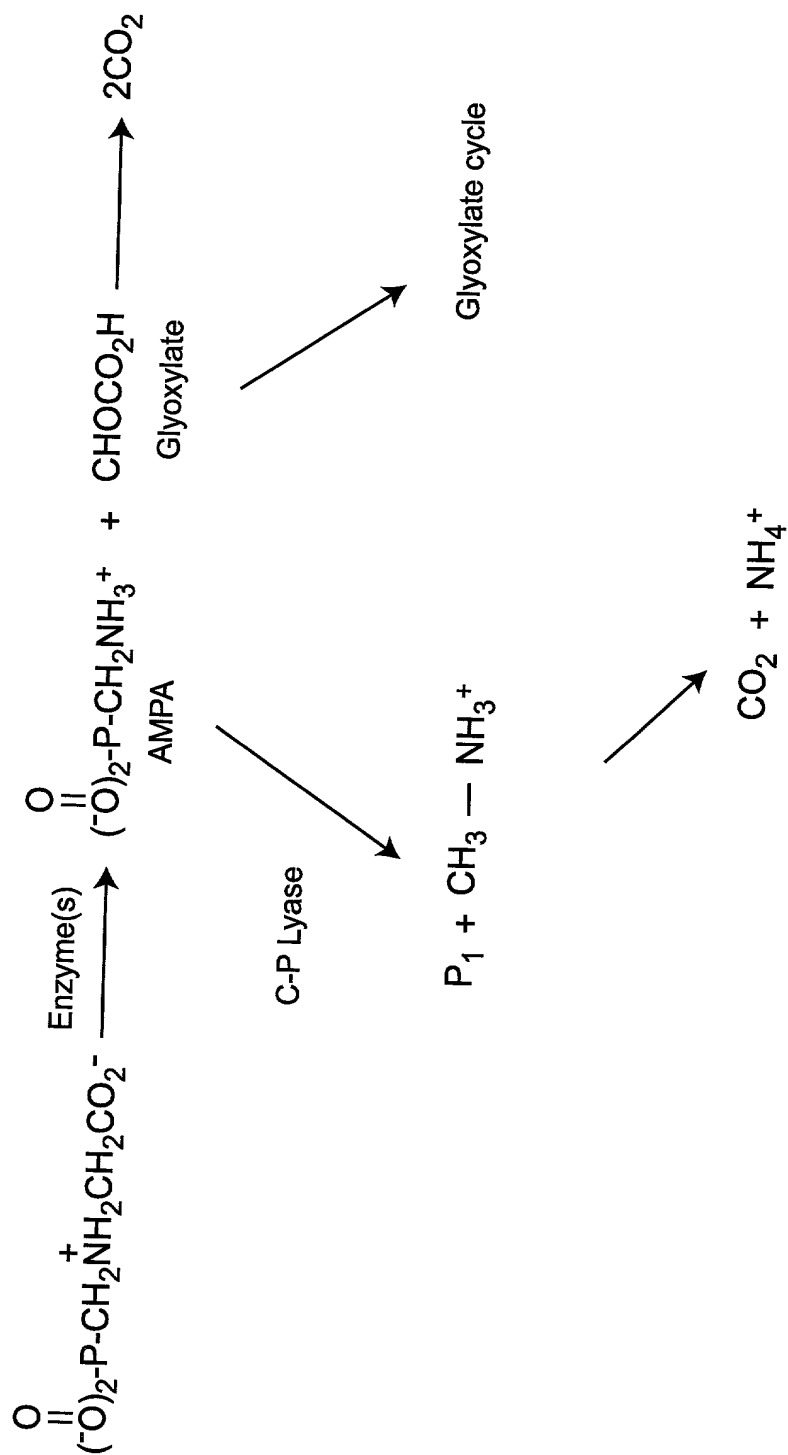


Fig. 8



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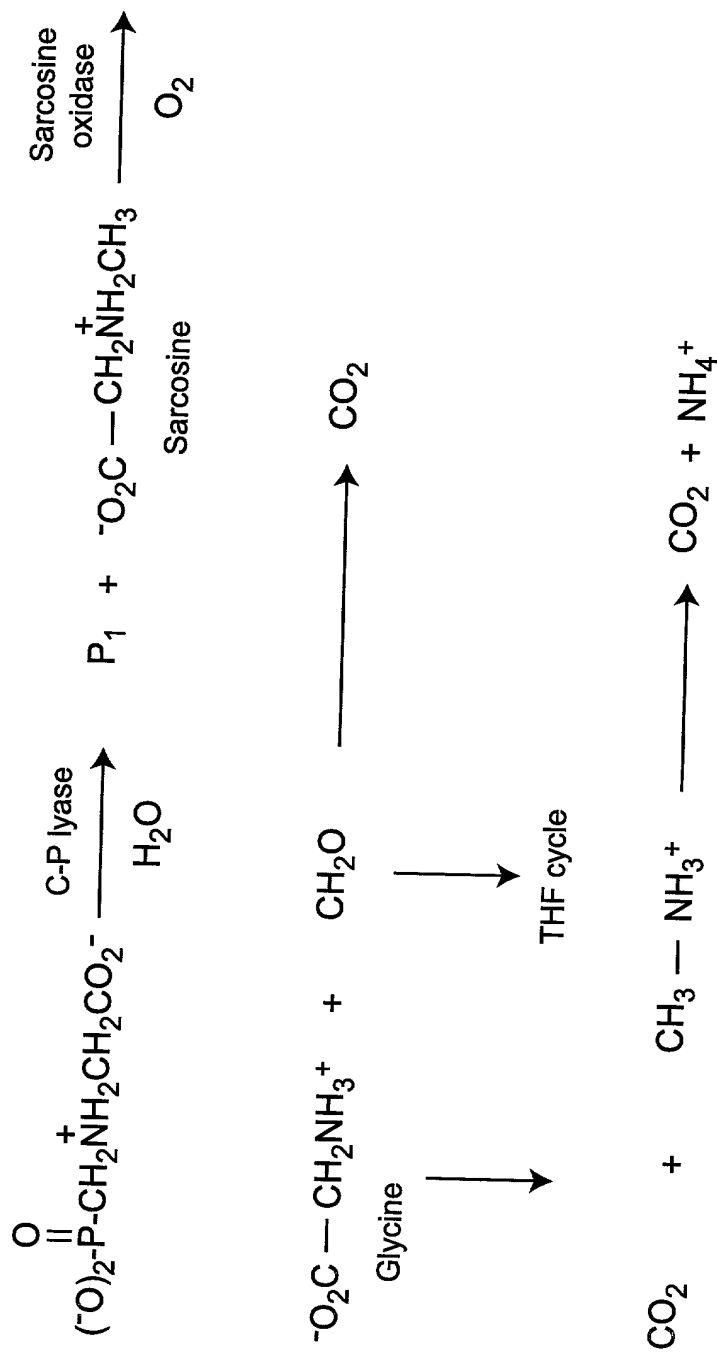
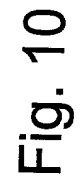


Fig. 9



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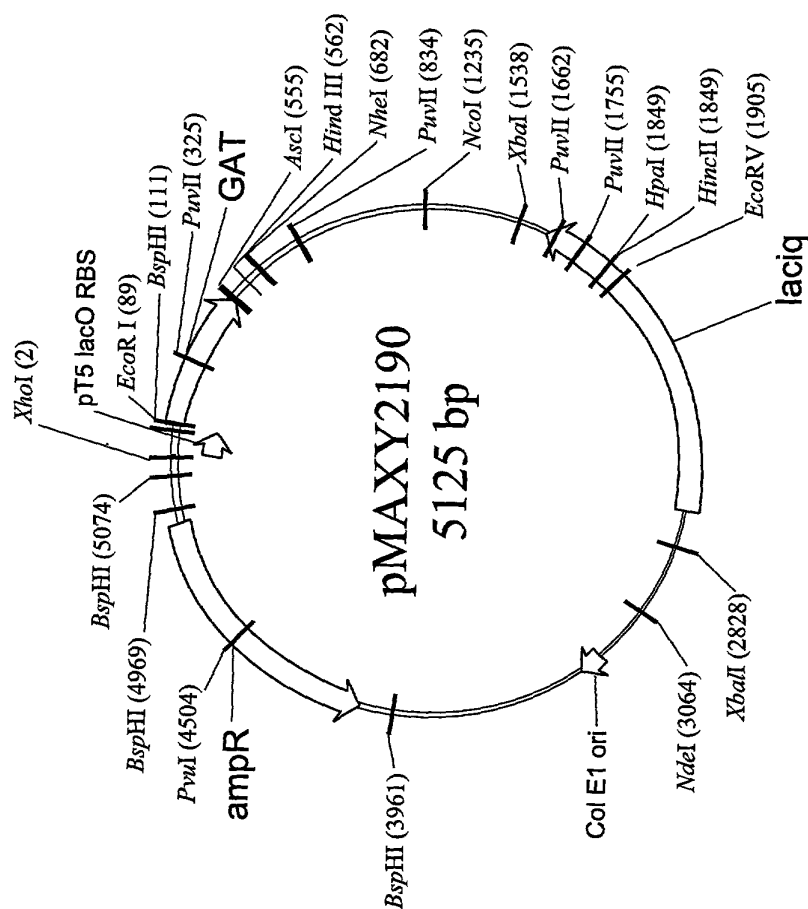


Fig. 11

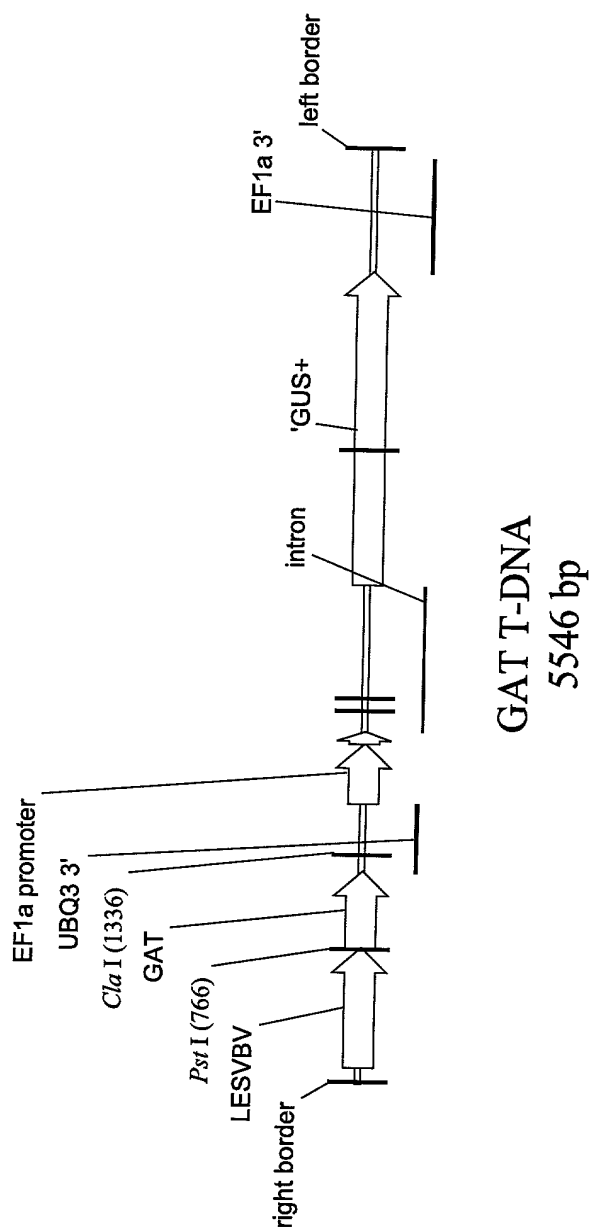


Fig. 12

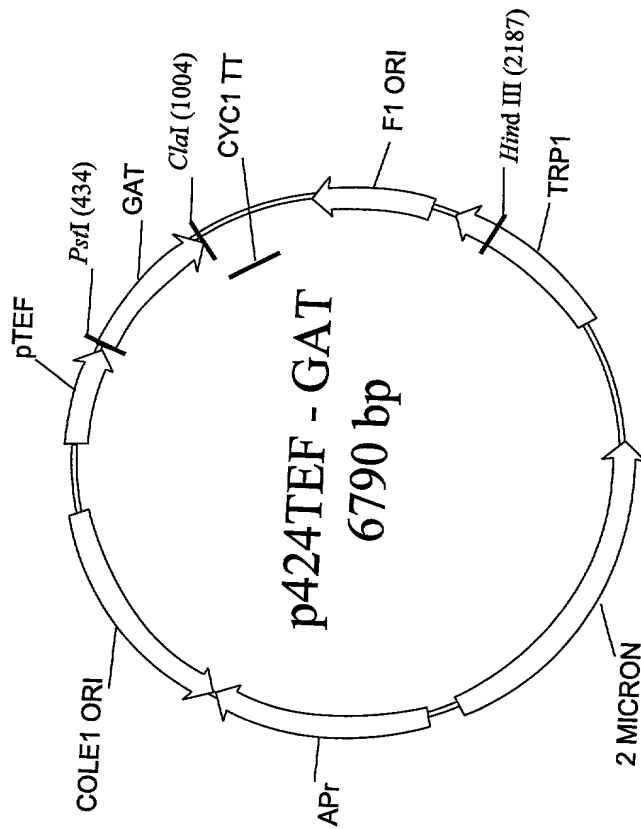


Fig. 13